Dated: **28 May 2010**
To: **All NACOSS Gold, Systems Silver and ARC Gold approved companies and applicants for NACOSS Gold, Systems Silver and ARC Gold approval**

TECHNICAL BULLETIN No. 0013

Guidance on the implementation of PD 6662: 2010 – Scheme for the application of European standards for intrusion and hold-up alarm systems

(Supersedes PD 6662: 2004 +A2: 2006)

This Technical Bulletin gives guidance on the changes between PD 6662: 2004 + Amendment A2: 2006 ("the old PD") and PD 6662: 2010 ("the new PD"). Please refer to later NSI Technical Bulletins for details on the changes due to some of the standards called-up by the new PD (for example BS EN 50131-1, BS 8243 and DD 263).

SUMMARY OF CHANGES

1 The new PD comes into effect on 31 May 2010. However, the new PD recognizes that suppliers of products and services will require time to comply. Therefore, the old PD will be withdrawn on 31 May 2012.

2 Intrusion (Intruder) and Hold-up Alarm Systems (I&HASs) can be installed in accordance with the old PD up until 31 May 2012. However, from 1 June 2012 all I&HASs must be installed in accordance with the new PD.

3 To install (I&HASs) to the new PD it is necessary to comply with the new PD and the standards that are called-up by the new PD. This means obtaining supplies of components and equipment complying with the standards that are called-up by the new PD (see items 4, 5, 6 and 7 below).

4 The new PD calls-up BS EN 50131-1: 2006 + Amendment A1: 2009.

5 The new PD calls up a range of new European Standards for components and equipment in the BS EN 50131 series (for example movement detectors, magnetic contacts, control and indicating equipment, warning devices, power supplies and security fog systems/devices).

6 Control and indicating equipment (CIE) used for I&HASs complying with the new PD needs to comply with Annex H of BS 8243: 2010 as well as complying with BS EN 50131-3: 2009 (see item 9 below).

7 The new PD calls-up a set of three European Technical Specifications for glass break detectors (DD CLC/TS 50131-2-7 series)

8 The new PD calls-up a new 2008 edition of DD CLC/TS 50131-7 (application guidelines relating to the design, installation, operation and maintenance of I&HAS).

9 Components and equipment complying with standards in the BS EN 50131 series, the BS EN 50136 series and in the DD CLC/TS 50131 series need to be MARKED in accordance with BS EN 50131-1.

10 The new PD calls up BS 8243: 2010, which comes into effect on 31 May 2010. However, the new PD recognizes that suppliers of products and services will require time to comply with BS 8243: 2010. Therefore, DD 243: 2004 will be withdrawn on 31 May 2012.

11 I&HASs installed in accordance with the old PD and on police response must also be installed in accordance with DD 243: 2004.

12 I&HASs installed in accordance with the new PD and on police response must also be installed in accordance with BS 8243: 2010.

13 BS 8243: 2010 contains provisions for the confirmation (verification) of hold-up alarms, which is relevant to I&HASs and HASs that have lost police response to hold-up (personal attack). Some of the hold-up provisions are already required under the ACPO policy on police response to security systems. You can follow the hold-up provisions in BS 8243: 2010 in relation to your PD 6662: 2004 I&HASs that have lost police response to hold-up, but you must (in the future) apply the BS to your PD 6662: 2010 I&HASs if they lose police response to hold-up.

14 The new PD calls up DD 263: 2010, which is a British Standards Institution (BSI) Draft for Development for commissioning, maintenance and remote support of intruder and hold-up alarm systems.

15 DD 263: 2010 can be applied to I&HASs installed in accordance with the old PD and, if so, all of DD 263: 2010 must be applied.

16 DD 263: 2010 must be applied to I&HASs installed in accordance with the new PD.

FURTHER DETAILS ABOUT THE CHANGES

Details about the changes are given below according the relevant clause of PD 6662: 2010.

Actual text from PD 6662: 2010 (also referred to in this document as “the new PD”) is reproduced in **bold text**. Further guidance or comment about the text in the new PD is given in *italics*.

Status of PD 6662: 2010

Compliance with PD 6662: 2010 and all the standards called-up by PD 6662: 2010 is regarded as mandatory for all organisations wishing to maintain NSI NACOSS Gold or Systems Silver approval.

Foreword

The Foreword indicates that the new PD came into effect on 31 May 2010 and includes the following statement:

> **The provisions of this standard become effective immediately and can be used as soon as suitable products are available to comply with its recommendations. However, the technical committee recognizes that suppliers of products and services within the scope of the standard will require time to comply. For this reason, PD 6662: 2004 +A2: 2006 will be withdrawn on 31 May 2012.**

This means that you can:

- continue to install intrusion (intruder) and hold-up alarm systems (I&HASs) in accordance with PD 6662: 2004 +A2: 2006 ("the present PD") until 31 May 2012

- start installing I&HASs in accordance with the new PD as soon as you are able to obtain products complying with the new PD and with all the standards called-up by the new PD

This does not prohibit you from installing some I&HASs to the present PD and other I&HASs to the new PD during the transition period. However, all I&HASs need to be installed to PD 6662: 2010 from 1 June 2012.

1 Scope

There are no significant changes to Scope. However it is important to note the following:

The new PD (as well as the present PD) applies to systems with wired interconnections (cables) and/or wire-free interconnections (for example radio). This means that systems can be fully wired (cabled), or fully wire-free, or have a combination of wired and wire-free interconnections. All these possibilities are catered for by the requirements for interconnections contained within the EN 50131 series of standards.

The earlier "Class VI" classification of systems with wire-free interconnections called for compliance with "Class V" of BS 6799: 1986 together with additional requirements as specified in Appendix A of NACOSS Gold Code of Practice NACP 12. BS 6799 and NACP 12 were withdrawn when PD 6662: 2004 was introduced in late 2005.

The new PD (as well as the present PD) applies to Intruder Alarm Systems (IASs) that do not include any hold-up devices and conversely to Hold-up Alarm Systems (HASs) that do not include any intrusion detectors. Therefore, I&HASs, HASs and IASs all need to comply with the PD 6662 / EN 50131 regime of standards.

The new PD (as well as the present PD) does not apply to exterior IASs. These exterior IASs need to be installed in accordance with Section 4.3 of BS 4737.

The new PD (as well as the present PD) does not apply to portable hold-up devices which report directly to a monitoring centre. Such devices do not report to the control and indicating equipment (CIE) of I&HASs, IASs or HASs and examples may include portable devices such as those carried by lone workers.

2 Abbreviations

The list of abbreviations has been expanded. However, the four definitions given in the present PD have not been included in the new PD because these definitions are now contained in other standards.

3 Scheme content

The following NOTE appears at the beginning of Clause 3 of the new PD:

NOTE Where there is contradiction between the requirements of BS EN 50131-1: 2006 +A1 and other referenced parts of the BS EN 50131 series, the requirements of BS EN 50131-1: 2006 +A1 take precedence.

Sub-clause 3.1 of the new PD lists the "system standards" (of particular interest to installers) and sub-clause 3.2 lists the "component standards" (of particular interest to manufacturers).

*The **APPENDIX** to this Technical Bulletin compares the standards that are called-up by the present PD and the new PD. There are significant changes to the "system standards" and to the "component standards". This is why time is being allowed for suitable products to come onto the market.*

Some, but by no means all, of the key changes to standards include the introduction of:

- BS EN 50131-1: 2006 + A1: 2009 (replacing prEN 50131-1: 2004)
- BS EN 50131-3: 2009 (replacing DD CLC/TS 50131-3: 2003)
- BS EN 50131-4: 2009 (warning devices)
- BS EN 50131-6: 2008 (replacing BS EN 50131-6: 1998 +A1: 1998)
- BS EN 50131-8: 2009 (security fog systems/devices)
- BS 8243: 2010 (replacing DD 243: 2004)
- DD CLC/TS 50131-2-7 series (glass break detectors)
- DD CLC/TS 50131-7: 2008 (replacing DD CLC/TS 50131-7: 2003)
- DD 263: 2010 (commissioning, maintenance and remote support)

In order to install I&HASs in accordance with the new PD, you need to comply with the new PD and with all the standards that are called-up by the new PD. Therefore, before you can install to the new PD, you need to be able to obtain supplies of equipment and components meeting these standards.

4 Claims of compliance (Clause 6 of the present PD)

Clause 6 of the present PD has been replaced by the following:

4.1 Systems

Any claim that the scheme described in PD 6662 has been followed, should state that the I&HAS conforms to PD 6662 at the security grade and notification option applicable to the system.

This is similar to the wording in Clause 6 of the present PD.

Your System Design Proposals and As-fitted Documents need to include details of the security grade and notification option applicable to the system.

The Security Grades are 1, 2, 3 and 4.

The Notification Options are now A, B, C, D, T and X:

- *Notification Option T is only relevant in Grade 1 (see Annex B.2).*
- *Notification Option X is only relevant in Grade 2 (see Annex B.3).*
- *Notification Option D is only relevant in Grades 2, 3 and 4.*

The alarm company should be able to provide evidence that all components used are suitable for the security grade of the installed system and for the environment in which they are installed.

You need to keep copies of documentation (for example declarations of conformity / statements of compliance) supplied by the manufacturer as evidence that the components are suitable for use at the relevant grade and for the environment in which they are installed.

4.2 Components

If a BS EN or DD CLC/TS referenced in 3.2 is applicable to the component, the component should conform to that standard and be marked in accordance with BS EN 50131-1.

The requirement immediately above is stricter than in the present PD because MARKING now applies to components that comply with a DD CLC/TS standard as well as to components that comply with a BS EN standard.

The parameters to be included in the MARKING (see Clause 15 of BS EN 50131-1: 2006 +A1: 2009 are:

- name of manufacturer or supplier
- type
- date of manufacture or batch number of serial number
- standard to which the component claims compliance
- security grade (1, 2, 3 or 4)
- environmental class (I, II, III or IV)

When space for MARKING of an I&HAS component is limited, codes may be used providing these are described in the associated component documentation. When insufficient space is available for codes the component shall include means of identification which allows cross reference to documentation providing the required information.

The above information covers the marking required by BS EN 50131-1. In practice, additional markings will be present including those relating to electromagnetic compatibility (CE mark), recycling and waste disposal.

If a BS referenced in 3.2 is applicable to the component, it should conform to that standard and be accompanied by a statement from the

manufacturer that the product "is suitable for use in systems installed to conform to PD 6662:2010 at Grade X and environmental class Y."

The requirement immediately above relates to components that comply with the standards in the BS 4737 series. These are listed in 3.2 of the new PD (and in the present PD). Such components do not need to be marked, but they do need to:

- *comply with the relevant BS 4737 component standard*
- *be accompanied by a statement from the manufacturer that the product "is suitable for use in systems installed to conform to PD 6662: 2010 at Grade 1, 2, 3 or 4 and environmental class I, II, III or IV".*

To be suitable, the component needs to meet relevant provisions in BS EN 50131-1: 2006 +A1: 2009 according to grade (for example authorization code requirements, tamper detection).

If no standard within the scheme content is applicable, the component should conform to the generic requirements of BS EN 50131-1 and be accompanied by a statement from the manufacturer that the product "is suitable for use in systems installed to conform to PD 6662:2010 at Grade X and environmental class Y."

The requirement immediately above relates to components for which no standard is listed in 3.2 of the PD. Such components do not need to be marked, but they do need to:

- *comply with the relevant generic provisions in BS EN 50131-1: 2006 +A1: 2009 (for example authorization code requirements, tamper detection).*
- *be accompanied by a statement from the manufacturer that the product "is suitable for use in systems installed to conform to PD 6662: 2010 at Grade 1, 2, 3 or 4 and environmental class I, II, III or IV".*

5 Identity cards (Clause 5 of the present PD)

The requirements for identity cards given in the new PD are the same as those given in the present PD except that there is no requirement in the new PD to include an employee number on the identity card.

Therefore, with immediate effect, identity cards do not need to include an employee number.

6 Risk assessment (Clause 7 of the present PD)

Apart from replacing "Intruder Alarm System" with "I&HAS", the new PD recommends the same form of wording for inclusion in documentation relating to the location (risk) survey for an I&HAS.

Annexes to the PD

Substantial changes have been made to the Annexes to the new PD compared to the present PD.

With reference to the present PD:

- Annex A of the present PD (relating to hold-up devices) still exists (in A.1 of Annex A of the new PD).

- Annex B of the present PD (relating to control and indicating equipment) has been deleted (because relevant provisions are now included in BS EN 50131-3: 2009, which is called-up by the new PD).

- Annex C of the present PD (relating to warning devices) has been deleted (because relevant provisions are now included in BS EN 50131-4: 2009, which is called-up by the new PD).

- Annex D of the present PD (relating to maintenance) has been deleted (because relevant provisions are now included in DD 263: 2010, which is called-up by the new PD).

- Annex E of the present PD (relating to the application of prEN 50131-1: 2004) has been retained in the new PD in so far as the provisions are relevant to the application of BS EN 50131-1: 2006 +A1: 2009.

With reference to the new PD:

The new PD contains the following Annexes:

- Annex A (normative) UK specific recommendations
- Annex B (informative) UK specific guidance
- Annex C (informative) Additional guidance

Annex A (normative) UK specific recommendations

The following provisions of Annex A of the new PD are mandatory:

A.1 Hold-up devices

For I&HASs installed under this scheme and which include hold-up device, these devices should conform to BS 4737-3.14:1986, 3.2b) or 3.2c).

The statement immediately above is effectively the same as that stated in Annex A of the present PD. Therefore, there is no change and single push devices are not permitted.

A.2 Police response

Systems that are installed as Grade 1 or Grade 2, Option X (see B.3), should not be used to initiate a police response.

The statement immediately above applies to all I&HASs, IASs and HASs installed in accordance with the new PD.

A.3 BS EN 50131-1:2006+A1:2009, 8.3.1, Level 2 authorization for level 3 access

NOTE BS EN 50131-1 does not specify how long level 2 authorization may remain active or that it is required individually each time that level 3 access is required. There is thus no time limit, and level 2 authorization may remain in force until manually removed (see BS EN 50131-3:2009, 8.3.1).

If level 2 authorization remains available until manually reset, written agreement is needed to confirm that the customer has agreed to this, in addition to the electronic authorization.

By way of explanation, if you configure the control and indicating equipment such that access to the I&HAS can be gained at level 3 without requiring a level 2 user to input their authorization code each time, then written agreement with the customer is required to confirm that the customer has agreed to waive the right to have a user enter the level 2 authorization code each time before the level 3 user can gain access to the I&HAS.

A.4 BS EN 50131-1:2006+A1:2009, 8.8, Interconnections

All conditions that allow an option of "fault" or "tamper" should be processed as "tamper" conditions (see BS EN 50131-1:2006+A.1, Table 20).

The statement immediately above ensures that a tamper signal/message is generated in all cases where Table 20 of BS EN 50131-1: 2006 +A1: 2009 allows the option of a fault signal/message or a tamper signal/message to be generated.

Tamper signals/messages contribute to sequentially confirmed alarms whereas fault signals/messages do not contribute to sequentially confirmed alarms.

Annex B (informative) UK specific guidance

Please refer to the relevant sections (B.1 through to B.9) of Annex B of PD 6662: 2010.

You are permitted to comply with the following provisions of Annex B of the new PD:

B.1 Portable hold-up devices

For the purposes of the PD 6662 scheme, inclusion in Grades 3 and 4 of portable hold-up devices and associated receiving equipment meeting Grade 2 requirements of BS EN 50131-5-3 does not reduce the overall grade of the I&HAS.

The requirement immediately above applies only in relation to PORTABLE hold-up devices.

B.2 Grade 1, Option T I&HAS

For the purpose of this UK scheme, it is permitted to install a Grade 1 I&HAS that includes an ATS with a reporting time classification of T1, provided there is always supplementary means of raising a local audible alarm.

It is essential that the system complies in all other respects to all other Grade 1 requirements of BS EN 50131-1. This system is designated as Grade 1, Option T.

For Grade 1, Option T systems, the supplementary warning device is located within the supervised premises inside an enclosure that has tamper detection of opening by normal means. The minimum sound output level is 70 dBA @ 1 metre.

Your System Design Proposals and As-Fitted Documents must state clearly that the I&HAS complies with PD 6662: 2010 at Grade 1 and Notification Option T. Such I&HASs are not permitted to be on police response.

B.3 Grade 2, Option X I&HAS

For the purpose of this UK scheme it is permitted to install a Grade 2 I&HAS that does not include an ATS.

Notification is provided by at least one self-powered audible warning device and the I&HAS conforms in all other respects to Grade 2 requirements of BS EN 50131-1. For the avoidance of confusion, this arrangement is referred to as a Grade 2, Option X I&HAS.

Your System Design Proposals and As-Fitted Documents must state clearly that the I&HAS complies with PD 6662: 2010 at Grade 2 and Notification Option X. Such I&HASs are not permitted to be on police response.

B.4 Power supply standby capacity

For the purpose of this UK scheme, BS EN 50131-1:2006+A1:2009, Table 23 is replaced by Table B.1.

Table B.1 in the new PD is the same as Table E.1 in the present PD. Therefore the duration of the alternative power supply (standby battery) according to grade remains unchanged.

B.5 ARC address

There is no need to include the address of the ARC in documentation provided to the client.

B.6 BS EN 50131-1:2006+A1:2009, 8.3.5, Prevention of setting

The statement in sub-clause 7.3.5.1 of DD CLC/TS 50131-7: 2008 (which reads "When a detector that is not on the exit route is activated during the setting procedure an indication should be provided and completion of the setting procedure prevented.") is not applied.

B.7 BS EN 50131-1:2006+A1:2009, 8.3.7, Set state

The option (given in sub-clause 8.3.7 c) of BS EN 50131-1:2006 +A1: 2009) of providing an indication of the set/unset status is not permitted for I&HASs complying with BS 8243: 2010. Please refer to B.7 of Annex B of PD 6662: 2010 for further information.

B.8 BS EN 50131-1:2006+A1:2009, 8.3.8.2, Entry procedure

The statement in sub-clause 7.3.5.2 of DD CLC/TS 50131-7: 2008 (which reads "When a detector that is not on the entry route is activated during the unsetting procedure an alarm condition should be notified.") is not applied.

B.9 DD CLC/TS 50131-7:2008, Annex B.6, System design

The final item of the list given in B.6 of Annex B of DD CLC/TS 50131-7: 2008 (which reads "psychological problems of persons after robbery") is not applied.

Annex C (informative) Additional guidance

The information in Annex C of the new PD is given for guidance and clarification on the application of BS EN 50131-1: 2006 +A1: 2009. Please refer to the relevant sections (C.1 through to C.7) of Annex C of PD 6662: 2010.

C.1 Indication for intrusion detectors

The statement given in C.1 of Annex C of PD 6662: 2010 is the same as the statement given in E.6 of Annex E of PD 6662: 2004.

C.2 BS EN 50131-1:2006+A1:2009, 8.3.9, Restore requirements

Table 6 of BS EN 50131-1:2006 +A1: 2009 does not specify the restore requirement following a sequentially confirmed alarm. However, restore requirements are given in BS 8473.

C.3 BS EN 50131-1:2006+A1:2009, 8.5, Indications

Table 8 and Table 9 of 8.5.2 of BS EN 50131-1:2006 +A1: 2009 specify when indications need to be available. Please refer to C.3 of Annex C of PD 6662: 2010 for further information.

C.4 BS EN 50131-1:2006, 8.5.2, Availability of indications

Indications available to users who have accessed an I&HAS at access level 2, 3 or 4 can be cleared (e.g. manually or by automatic timer) so that they cannot be seen by level 1 users. In these circumstances an alert indication is given to show that these indications are still available.

By way of explanation, if a level 2, 3 or 4 user accesses the I&HAS, is unable to clear all the relevant indications (because the circumstances (such as faults) giving rise to these indications still exist), and then the user ceases access, an alert indication is necessary to indicate that un-cleared indications are still present.

C.5 BS EN 50131-1:2006+A1:2009, 8.6, Notification

BS EN 50131-1 allows the required means of notification to be supplemented by non-mandatory means of notification in all grades of I&HAS provided the operation of mandatory devices is not affected. All messages that are required to be remotely notified will be transmitted via one or more compliant ATS(s). Such ATSs are permitted to transmit additional information provided this does not affect the transmission of the required messages (see also BS EN 50136-1-1:2006+A.1, 6.2).

The statement immediately above clarifies that all mandatory ATS messages (for example hold-up, intruder, tamper and fault) must be transmitted via one or more compliant Alarm Transmission Systems (ATS), not by supplementary means of remote notification.

Where two ATS are specified by BS EN 50131-1+A.1, Table 10, this could be two separate ATSs with individual SPTs or a "dual-path" single SPT system which meets the requirements of the table footnotes.

SPT is an abbreviation of "Supervised Premises Transceiver".

C.6 BS EN 50131-1:2006+A1:2009, 8.7.2, Tamper detection

The provisions of BS EN 50131-2-6: 2008 apply in relation to magnetic contacts and therefore Footnote b) in Table 12 of BS EN 50131-1: 2006 +A1 does not apply when magnetic contacts are used.

C.7 DD CLC/TS 50131-7:2008, 7.3.3.1 Specific wired interconnections

Filtering of the mains input to the IAS or some other corrective action in accordance with DD CLC/TS 50131-7, is necessary only if the presence of electrical interference has caused, or is expected to cause, unwanted alarms.

APPENDIX

STANDARDS CALLED-UP BY PD 6662:2010 (COMPARED WITH PD 6662: 2004)

System Standards (See Note A)		
Brief scope of standard	**Called-up by PD 6662:2010**	**Called-up by PD 6662:2004**
Alarm confirmation	BS 8243:2010 (see Note B)	DD 243:2004
False alarm management	BS 8473:2006+A1:2008	See Note C
System requirements	BS EN 50131-1:2006+A1:2009	prEN 50131-1:2004
Security fog systems	BS EN 50131-8:2009	- - -
Alarm transmission systems – general requirements	BS EN 50136-1-1:1998 +A2:2008	BS EN 50136-1-1:1998
Alarm transmission systems – dedicated alarm paths	BS EN 50136-1-2:1998	BS EN 50136-1-2:1998
Alarm transmission systems – digital communicators	BS EN 50136-1-3:1998	BS EN 50136-1-3:1998
Alarm transmission systems – voice communicators	BS EN 50136-1-4:1998	BS EN 50136-1-4:1998
Alarm transmission systems – packet switched network	BS EN 50136-1-5:2008 see Note D	- - -
Commissioning, maintenance, remote support	DD 263:2010	See Note E
Application guidelines	DD CLC/TS 50131-7:2008	DD CLC/TS 50131-7:2003

Note A We require you to have ready access (either in hard copy or electronic format) to PD 6662: 2010, and to all the "system standards" that are relevant to the work you do. We do not require you to have ready access to standards in the EN 50136 series, but you may consider having ready access to those that are relevant to any of the work you do. We are introducing a new way of gaining low cost access to standards via the company area of the NSI website, which may be of interest to you (see NSI circular letter ref: 006/10 for preliminary information).

Note B BS 8243 contains provisions for confirmation (verification) of hold-up alarms and also contains an Annex (Annex H) with provisions for control and indicating equipment (CIE). Therefore, CIE used in PD 6662: 2010 installations needs to comply with Annex H of BS 8243: 2010 as well as BS EN 50131-3: 2009.

Note C BS 8473:2006 +A1: 2008 is applied already.

Note D BS EN 50136-1-5: 2008 relates to packet switched networks (PSN), which for example may use wired links, voice grade signalling links, mobile networks, radio or data links and may include ethernet switches, hubs, firewalls, ADSL-routers and DSL-modems.

Note E DD 263:2010 supersedes DD 263:2007 (which was not adopted in the UK).

APPENDIX (continued)

STANDARDS CALLED-UP BY PD 6662:2010 (COMPARED WITH PD 6662:2004)

Component Standards (See Note F)		
Brief scope of standard	**Called-up by PD 6662:2010**	**Called-up by PD 6662:2004**
See Note G	BS 4737 series	BS 4737 series
Passive infrared detectors	BS EN 50131-2-2:2008	DD CLC/TS 50131-2-2:2004
Microwave detectors	BS EN 50131-2-3:2008	DD CLC/TS 50131-2-3:2004
PIR and microwave	BS EN 50131-2-4:2008	DD CLC/TS 50131-2-4:2004
PIR and ultrasonic	BS EN 50131-2-5:2008	DD CLC/TS 50131-2-5:2004
Magnetic door contacts	BS EN 50131-2-6:2008	DD CLC/TS 50131-2-6:2004
Control and indicating equip	BS EN 50131-3:2009	DD CLC/TS 50131-3:2003
Warning devices	BS EN 50131-4:2009	PD 6662:2004 - Annex C
Radio equipment	BS EN 50131-5-3:2005 +A1:2008	BS EN 50131-5-3:2005
Power supplies	BS EN 50131-6:2008	BS EN 50131-6:1998+A1:1998
Security fog devices	BS EN 50131-8:2009	- - -
Alarm transmission systems – general requirements	BS EN 50136-2-1:1998 +A1:1998	BS EN 50136-2-1:1998 +A1: 1998
Alarm transmission systems – dedicated alarm paths	BS EN 50136-2-2:1998	BS EN 50136-2-2:1998
Alarm transmission systems – digital communicators	BS EN 50136-2-3:1998	BS EN 50136-2-3:1998
Alarm transmission systems – voice communicators	BS EN 50136-2-4:1998	BS EN 50136-2-4:1998
Glass break detectors (acoustic)	DD CLC/TS 50131-2-7-1:2009	- - -
Glass break detectors (passive)	DD CLC/TS 50131-2-7-2:2009	- - -
Glass break detectors (active)	DD CLC/TS 50131-2-7-3:2009	- - -

Note F We do not require you to have ready access to the “component standards”. However, we are introducing a new way of gaining low cost access to standards via the company area of the NSI website, which may be of interest to you (see NSI circular letter ref: 006/10 for preliminary information).

Note G The BS 4737 series of component standards listed in PD 6662: 2010 is the same as those listed in PD 6662: 2004 except for BS 4737-3.11: 1978 (rigid printed-circuit wiring), which has been withdrawn by British Standards Institution.